

**AMENDMENTS TO THE CLAIMS:**

This listing of claims will replace all prior versions, and listings, of claims in the application:

**LISTING OF CLAIMS:**

1. (Currently Amended) A diaphragm for a loudspeaker drive unit, the diaphragm comprising a block of rigid plastic foam material having a first, convex, frusto-conical sound-radiating front face and a second, convex, frusto-conical rear face, each said frusto-conical face being formed by a respective frustum comprising a truncation plane and surrounding conical flank, wherein [the] said block is stiffened by being bound about over [the] said first and second faces by a multiplicity of turns of one or more elongate members of flexible material stiffened by a stiffening composition, said flexible material being wound tangentially to said truncation planes so as to leave interstitial spaces between adjacent turns at the outer periphery of said conical flanks, in which spaces said block of rigid plastic foam material is left uncovered by said elongate members.

2.-6. (Cancelled)

7. (Currently Amended ) A diaphragm as claimed in claim 1, wherein the block is made of a rigid plastic foam material and the foam is a foam selected from the group consisting of polymethyl methacrylamide foam, and expanded polystyrene foam.

8. (Currently Amended) A diaphragm as claimed in claim 1, wherein the block is made of a rigid ~~plastics~~ plastic foam material having a density selected from the group consisting of more than 20 grams per ~~litre~~ liter, and between 28 and 35 grams per ~~litre~~ liter.

9.-11. (Cancelled).

12. (Previously Presented) A diaphragm as claimed in claim 1, wherein the block contains one or more internal voids.

13.-14. (Cancelled).

15. (Currently Amended) A diaphragm as claimed in claim 1, wherein the or each elongate member is constituted by a member selected from the group consisting of a bundle of monofilaments, a bundle of ~~plastics~~ plastic material monofilaments, a bundle of paraphenylene polybenzobisoxazole monofilaments, and a bundle of glass fibre fiber monofilaments.

16.-20. (Cancelled).

21. (Currently Amended) A diaphragm as claimed in claim 38, wherein the body of material is bound about by a number of turns selected from the group between 100 and 500 turns, between 100 and 400 turns, [and] between 200 and 400 turns, and approximately 300 turns.

22. (Cancelled).

23. (Previously Presented) A diaphragm as claimed in claim 1, wherein a protective rim is provided at the periphery of the block between the one or more elongate members and the material of the block.

24. (Previously Presented) A diaphragm as claimed in claim 33, wherein the one or more elongate members are adhesively secured directly to the material of said block.

25. (Currently Amended) A diaphragm as claimed in claim 38, wherein [the] said first face of the block of the material and said one or more flexible members are arranged to act directly on the ambient air to radiate sound.

26. (Previously Presented) A diaphragm as claimed in claim 33, wherein the diaphragm is bonded to a central tubular member for carrying the voice coil of the loudspeaker drive unit.

27.-32. (Cancelled)

33. (Currently Amended) A diaphragm for a loudspeaker drive unit, the diaphragm comprising a block of rigid plastic foam material containing one or more internal voids, said block having a first, sound-radiating front face and a second, rear

face, and a multiplicity of turns of one or more elongate members of flexible material stiffened by a stiffening composition bound about tangentially over the first and second faces so as to stiffen said block, spaces being left between said turns at the periphery of said block.

34. (Previously Presented) A diaphragm as claimed in claim 33, wherein the foam is a foam selected from the group consisting of polymethyl methacrylamide foam, and expanded polystyrene foam.

35. (Previously Presented) A diaphragm as claimed in claim 33, wherein the stiffening composition comprises a composition selected from the group consisting of a resin composition, a styrene resin, an epoxy resin, a cellulose solvent based acrylic resin, a polyurethane resin, a cyanocrylate resin, and a thermosetting phenolic based resin.

36. (Currently Amended) A diaphragm as claims claimed in claim 33, wherein the block is made of a rigid plastics plastic foam material having a density selected from the group consisting of more than 20 grams per litre liter, between 20 and 35 grams per liter, and between 28 and 35 grams per litre liter.

37. (Currently Amended) A diaphragm as claimed in claim 33, wherein the or each elongate member is constituted by a member selected from the group consisting of a bundle of monofilaments, a bundle of plastics material monofilaments,

a bundle of paraphenylene polybenzobisoxazole monofilaments, and a bundle of glass fibre fiber monofilaments.

38. (Currently Amended) A diaphragm for a loudspeaker drive unit, the diaphragm comprising a block of rigid plastic foam material, said block having a first, sound-radiating convex front face, a central tubular member for carrying the voice coil of said loudspeaker drive unit, said block being bonded to said central tubular member, and a multiplicity of turns of one or more elongate members of flexible material stiffened by a stiffening composition [bound about] wound tangentially to said central tubular member over the first and second faces so as to stiffen said block wherein said block has a diameter of about 300 mm and said number of turns is between 100 and 500.

39. (Previously Presented) A diaphragm as claimed in claim 38, wherein the block contains one or more internal voids.

40. (Cancelled)

41. (Previously Presented) A diaphragm as claimed in claim 38, wherein a protective rim is provided at the periphery of the block between the one or more elongate members and the material of the block.

42. (New) A diaphragm for a loudspeaker drive unit, the diaphragm comprising:

a central tubular member,

a circular block of rigid foam material of lozenge-shaped cross-section surrounding said tubular member and secured thereto, said block having a first sound-radiating front face and a second, rear face and having a density between 25 and 35 grams per liter,

a winding consisting of between 100 and 500 turns of a flexible monofilaments bundle of paraphenylene polybenzobisoxazole wound tangentially to said tubular member about said block to form a single layer at the periphery of said block leaving spaces between turns, and

an adhesive stiffening composition applied to said monofilament bundle and securing said winding to said block.

43. (New) A diaphragm as claimed in claim 42, wherein the mass of said block is about 16 times the mass of said winding.

44. (New) A diaphragm as claimed in claim 42, wherein the winding has less than 400 turns.

45. (New) A diaphragm as claimed in claim 38, wherein the winding has less than 400 turns.